Memco LED Lighting

Product Datasheet

Memco's emergency LED elevator lighting system is a tailor-made, plug & play solution for use in both new installations and modernisation programmes. LED is a modern, cost-effective alternative to incandescent or fluorescent lighting which uses 90% more power.

We offer 2 models including a premium eco-friendly option with PIR feature which switches off when the lift is not occupied to save energy, and a dimmable feature to allow the user to adjust the level of lighting within the elevator. The complete system is housed in a robust controller box and is supplied pre-wired for up to 6 LEDs (2 min).

LEDs have 25 times the lifespan of a 2,000-hour halogen lamp and therefore require less service visits than any other type of lighting, saving money on engineer calls.

Key Features

+ Emergency lighting in the event of a power failure

+ Plug & play system

+ Energy efficient solution

+ Brighter lighting - increased safety & visibility

+ Adjustable Intensity

+ Battery back-up of 180 minutes (2 lamps)

+ Reduced heat output, no UV light emitted

+ Anti-theft brackets included with each lamp

Technical Specification

Feature	Specification
Emergency Light	180 mins @ 350mA load (2 lamps)
Ambient Operating Temperature	+40°C maximum
Battery Back-up System	3.6V ±5% Cell, 4.5Ah NiCad, 3W max. load, 200mA charge current
Battery Part No. B100 880-02	3.6V NiCad, 3-cell stick. Complies with IEC598. The battery is required to be fully charged for 24 hours to enable the Emergency Light to reach 2-hr maximum backup
Battery Replacement	3 years
Environmental	IP50 2006/95/EC. 2 credits BREEAM rating RoHS, CE
PSU – 12V output	216-264V AC Input, short circuit, over current and over voltage protection
PIR Detection	Range: 2.5m Angle: 80 degrees Light on time: 10secs to 3mins approx
Light Intensity	User-adjustable light output
Lux Rating (per lamp)	Cool white 530 lux at 2m; 330 lux at 2.5m; 200 lumens output Warm white 400 lux at 2m; 250 lux at 2.5m; 160 lumens output
Charging Status	LED Indication
Mechanical	280x135x54mm, Galvanised Steel enclosure
Electrical	Mains Voltage Input: 216-264V AC, 50mA, 50Hz Output: 12V DC nominal Load: 2.5A Max.
Vibration	BS EN 60068-2-64:1995 Test Fh (random vibration) BS EN 60068-2-6:1996 Test Fc (sinusoidal vibration)
EMC Compliance	Emissions EN12015:2004 Immunity EN12016:2004

Features Comparison Chart

Part No.	PIR Detection	Battery Back-up	Dimmer Control	Siren
B100 200	✔	✔	✔	✘
B100 250	✘	✔	✔	✘
B100 275	✘	✘	✔	✘
B100 300	✔	✔	✔	✔
B100 350	✘	✔	✔	✔

Ordering Information

12V LED Lamp Fixture and Housing, 30˚lens. Lamp is 3 x 1W Cree LEDs. Order quantity required (min 2).

B100 033	Cool white, colour temp 5000-7000k silver finish	B100 037	Cool white, colour temp 5000-7000k, black finish
B100 036	Warm white, colour temp 2000-3500k, silver finish	B100 038	Warm white, colour temp 2000-3500k, black finish
B100 034	Cool white, colour temp 5000-7000k, white finish	B100 039	Cool white, colour temp 5000-7000k, chrome finish
B100 035	Warm white, colour temp 2000-3500k, white finish	B100 040	Warm white, colour temp 2000-3500k, chrome finish
015 818	1m extension cable from lamp to power supply	B100880-01	Spur box, mains connected 230V AC, 0.5m cable
015 819	1.5m extension cable from PIR to power supply	B100880-02	Replacement battery
B100880-03	Anti-vandal plate - Whte	B100 880-05	Anti-vandal plate - Stainless Steel

AVIRE

Memco is a brand of Avire